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PREFACE.

THE Council of the Iron and Steel Institute have authorised the publication of this Catalogue of Books, which may be regarded as forming the nucleus only of the Library which they have taken steps to establish for the use and convenience of the members. Many omissions of standard works will be noted. It is hoped that members will volunteer to repair the more serious of these, either by the presentation of the books that are missing, or by placing at the disposal of the Council the funds necessary for their acquisition.

For the collection of books already formed, the Institute is largely under obligation to the Local Executive Committee for the London meeting of the Institute in 1881, who gave the surplus of their Reception Fund for Library purposes, and to Lady Siemens, who has kindly presented to the Institute a collection of metallurgical works from the Library of her late lamented husband.

J. S. JEANS,
Secretary.

VICTORIA MANSIONS,
WESTMINSTER, S.W.,
February, 1884.



CATALOGUE

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 Aeronautics. 1815-66.
 Agriculture. Division 1. Field implements (including methods of tilling and irrigating land). Parts i. and ii. 1618-1876.
 Agriculture. Division 2. Barn and farmyard implements (including the cleansing, drying, and storing of grain). Parts i. and ii. 1636-1876.
 Aids to locomotion. 1691-1856. 1627-1866.
 Air, gas, and other motive engines. Parts i. and ii. 1633-1876.
 Anchors. 1792-1866.
 Artificial leather, floorcloth, oilcloth, oilskin, and other waterproof fabrics. 1840-76.
 Artists' instruments and materials. 1618-1866.
 Bleaching, dyeing, and printing calico and other fabrics and yarns, including the manufacture of rollers, engraving, the preparation of drugs, and other processes. Parts i. to iii. 1617-1876.
 Books, portfolios, card-cases, &c. 1768-1866.
 Bricks and tiles. Parts i. and ii. 1619-1866.
 Bridges, viaducts, and aqueducts. 1750-1866.
 Brushing and sweeping. 1699-1866.
 Carriages and other vehicles for common roads. 1625-1866.
 Carriages and other vehicles for railways. 1807-66.
 Casks and barrels. 1797-1866.
 Chains, chain cables, &c. 1634-1866.
 Cooking, bread-making, and the preparation of confectionery. 1634-1866.
 Cutting, folding, and ornamenting paper, &c., including the general treatment of paper after its manufacture. Parts i. and ii. 1636-1876.
 Drain tiles and pipes. 1619-1855.
 Drains and sewers. 1619-1866.
 Dressing and finishing woven fabrics, and manufacturing felted fabrics (including folding, winding, measuring, and packing). Parts i. and ii. 1620-1876.
 Electricity and magnetism; their generation and applications. Parts i. and ii. 1766-1866.
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 Fire-arms and other weapons, ammunition, and accoutrements. Parts i. and ii. 1588-1866.
 Fire-engines, extinguishers, escapes, alarms, &c., including fireproof dresses and fabrics. 1625-1866.
 Furniture and upholstery. 1620-1866.
 Grinding grain and dressing flour and meal. 1623-1866.
 Harbours, docks, canals, &c. 1617-1866.
 Hinges, hinge-joints, and door-springs. 1775-1866.
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- Iron and steel. 1621-1876.
- Lace and other looped and netted fabrics, including those relating to braiding and plaiting fringe, chenille, and other ornamental fabrics. 1675-1866.
- Lacemaking, knitting, netting, braiding, and plaiting, including also the manufacture of fringe and chenille. 1675-1866.
- Lamps, candlesticks, chandeliers, and other illuminating apparatus, excluding inventions for lighting by gas or electricity. 1637-1866.
- Letterpress and similar printing (excluding electro-telegraphic and photographic printing). Part ii. 1858-66.
- Locks, latches, bolts, and similar fastenings. 1774-1866.
- Manure. 1721-1857.
- Marine propulsion. 1618-1866.
- Masts, sails, rigging, &c., including apparatus for raising and lowering ships' boats. 1625-1866.
- Medicine, surgery, and dentistry, including artificial limbs, teeth, &c.; apparatus for invalids, medical baths, &c. 1620-1866.
- Metallic pipes and tubes. 1758-1876. Parts i. and ii.
- Metals and alloys. 1623-1859. Parts i. and ii.
- Milking, churning, and cheese-making. 1877-66.
- Mining, quarrying, tunnelling, and well-sinking. 1618-1866.
- Nails, rivets, bolts, screws, &c. 1618-1866.
- Needles and pins. 1755-1866.
- Oils, fats, lubricants, candles, and soap. 1617-1866.
- Optical and other instruments. 1636-1866.
- Paints, colours, and varnishes. 1618-1866.
- Paper, pasteboard, and papier-maché. Parts i. and ii. 1665-1866.
- Photography. 1646-1876.
- Plating metals with metals. 1637-1866.
- Pottery. 1626-1866.
- Preparation and use of tobacco.
- Preparing and cutting cork, bottling liquids, securing and opening bottles, &c. 1877-66.
- Preservation of food. 1691-1866.
- Printing, including therein the production of all kinds of materials (excepting felted and textile fabrics), &c. 1541-1857.
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- Raising, lowering, and weighing. Parts i. and ii. 1617-1866.
- Roads and ways. 1619-1866.
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- Safes, strong rooms, tills, and similar depositories. 1801-66.

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 Steering and manœuvring vessels. 1763-1866.
 Sugar. 1663-1866.
 Tea, coffee, chicory, chocolate, cocoa, &c. 1704-1866.
 Toy games and exercises. 1672-1866.
 Trunks, portmanteaus, boxes, and bags. 1635-1866.
 Umbrellas, parasols, and walking sticks. Parts i. and ii. 1780-1876.
 Unfermented beverages, aerated liquids, mineral waters, &c. 1774-1866.
 Ventilation. 1632-1866.
 Washing and wringing machines. Parts i. and ii. 1691-1876.
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